AMENDMENTS TO THE CLAIMS

No claims are amended by this Response. Claims 1-21 in the Application as filed January 16, 2004 were cancelled by an accompanying Preliminary Amendment, that also added new claims 22 – 57. Claims 22 – 57 are now pending in the Application. Claims 22 and 39 are independent claims. Claims 23-38 and 39-57 depend, respectively, from independent claims 22 and 39.

Listing of Claims:

Claims 1-21 (Canceled).

22. (Previously Presented) A communication network supporting the exchange of voice and data, the network comprising:

at least one portable terminal having a wireless transceiver adapted for communication using a packet protocol;

the at least one portable terminal adapted for converting sound into digital voice packets for transmission via the wireless transceiver, and for receiving digital voice packets via the wireless transceiver, the contents of the digital voice packet for conversion into sound;

the at least one portable terminal adapted for capturing digital data into data packets for transmission via the wireless transceiver, and for receiving data packets via the wireless transceiver, the contents of the data packets used for reproducing digital data;

at least one access device having a wireless transceiver for exchanging packets with the at least one portable terminal, the at least one access device comprising a network interface for exchanging information via a wired network; and

the at least one access device selectively transferring to its wireless transceiver for transmission at least a portion of the information received from its network interface, and selectively transferring to its network interface for transmission at least a portion of the information received by its wireless transceiver.

23. (Previously Presented) The communication network of claim 22 wherein the wireless transceivers communicate at a frequency of approximately 2.4 gigahertz.

24. (Previously Presented) The communication network of claim 22 wherein the wireless transceivers communicate using a frequency hopping spread spectrum technique.

25. (Previously Presented) The communication network of claim 22 wherein the wireless transceivers communicate using a direct sequence spread spectrum technique.

26. (Previously Presented) The communication network of claim 22 wherein the packet protocol comprises an Internet protocol (IP).

27. (Previously Presented) The communication network of claim 26 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

28. (Previously Presented) The communication network of claim 22 wherein the packets exchanged by the at least one portable terminal comprise digital voice packets and data packets.

29. (Previously Presented) The communication network of claim 22 wherein packets are transported wirelessly without regard to content.

30. (Previously Presented) The communication network of claim 22 wherein the wired network comprises a packet network.

31. (Previously Presented) The communication network of claim 30 wherein the packet network uses an Internet protocol (IP).

32. (Previously Presented) The communication network of claim 30 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

33. (Previously Presented) The communication network of claim 22 wherein the wired network comprises an Ethernet compliant network.

34. (Previously Presented) The communication network of claim 22 wherein the wired network comprises a conventional switched telephone network.

35. (Previously Presented) The communication network of claim 33 wherein the network interface communicates via the wired network in digital form.

36. (Previously Presented) The communication network of claim 22 wherein the communication network supports the establishment of voice calls by the at least one portable terminal via the wired network.

37. (Previously Presented) The communication network of claim 22 wherein the communication network supports the receipt of voice calls by the at least one portable terminal from the wired network.

38. (Previously Presented) The communication network of claim 22 wherein the communication network supports the concurrent exchange of data unrelated to a voice call.

39. (Previously Presented) A communication network supporting the exchange of voice and data, the network comprising:

at least one portable terminal having a wireless transceiver adapted for communication using a packet protocol;

the at least one portable terminal arranged to exchange via the wireless transceiver packets comprising digital representations of sound;

the at least one portable terminal adapted to exchange via the wireless transceiver packets comprising digital data;

at least one access device having a wireless transceiver for exchanging packets with the at least one portable terminal and comprising at least one network interface for exchanging information via a wired network; and

the at least one access device adapting packets from its wireless transceiver for transmission via a designated one of the at least one network interface, and for adapting information from the designated one of the at least one network interface for transmission as packets via its wireless transceiver.

40. (Previously Presented) The communication network of claim 39 wherein the wireless transceivers communicate at a frequency of approximately 2.4 gigahertz.

41. (Previously Presented) The communication network of claim 39 wherein the wireless transceivers communicate using a frequency hopping spread spectrum technique.

42. (Previously Presented) The communication network of claim 39 wherein the wireless transceivers communicate using a direct sequence spread spectrum technique.

43. (Previously Presented) The communication network of claim 39 wherein the packet protocol comprises an Internet protocol (IP).

44. (Previously Presented) The communication network of claim 43 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

45. (Previously Presented) The communication network of claim 39 wherein the packets exchanged by the at least one portable terminal comprise digital voice packets and data packets.

46. (Previously Presented) The communication network of claim 39 wherein packets are transported wirelessly without regard to content.

47. (Previously Presented) The communication network of claim 39 wherein the wired network comprises a packet network.

48. (Previously Presented) The communication network of claim 47 wherein the packet network uses an Internet protocol (IP).

49. (Previously Presented) The communication network of claim 47 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

50. (Previously Presented) The communication network of claim 39 wherein the wired network comprises an Ethernet compliant network.

51. (Previously Presented) The communication network of claim 39 wherein the wired network comprises a conventional switched telephone network.

52. (Previously Presented) The communication network of claim 51 wherein the network interface communicates via the wired network using digital information.

53. (Previously Presented) The communication network of claim 39 wherein the communication network supports the establishment of voice calls by the at least one portable terminal via the wired network.

54. (Previously Presented) The communication network of claim 39 wherein the communication network supports the receipt of voice calls by the at least one portable terminal from the wired network.

55. (Previously Presented) The communication network of claim 39 wherein the communication network supports the concurrent exchange of data unrelated to a voice call.

56. (Previously Presented) The communication network of claim 39 wherein the designated one of the at least one network interface is designated based upon information received via the wireless transceiver.

57. (Previously Presented) The communication network of claim 39 wherein the designated one of the at least one network interface is designated based upon information received via the network interface.